

I CLAIM:

1. A shredder for sheet material, comprising: a shredding mechanism and an air feeding mechanism.
2. The shredder according to claim 1, wherein the air feeding mechanism comprises a suction means.
3. The shredder according to claim 2, wherein the suction means comprises a vacuum pump.
4. The shredder according to claim 2, wherein the suction means generates a pressure which is greater than 0.5 bar.
5. The shredder according to claim 4, wherein the pressure generated by the suction means is greater than 1 bar.
6. The shredder according to claim 2, wherein an air flow path extends through the shredding mechanism, and wherein the suction means is disposed after the shredding mechanism in the air flow path.
7. The shredder according to claim 1, wherein the air feeding mechanism comprises a collection means for collecting shredded particles.
8. The shredder according to claim 7, wherein the collection means includes a permeable bag.
9. The shredder according to claim 7, wherein the collection means is also operative for collecting dust generated during the shredding process.

10. The shredder according to claim 7, wherein the air feeding mechanism comprises a plurality of intermediate chambers disposed in the air flow path after the shredding mechanism and before the collection means.

11. The shredder according to claim 6, and feed rollers located in the air flow path before the shredding mechanism.